AUTODOC CLUB

How to change front wheel bearing on **Opel Corsa C** – replacement guide

VIDEO TUTORIAL

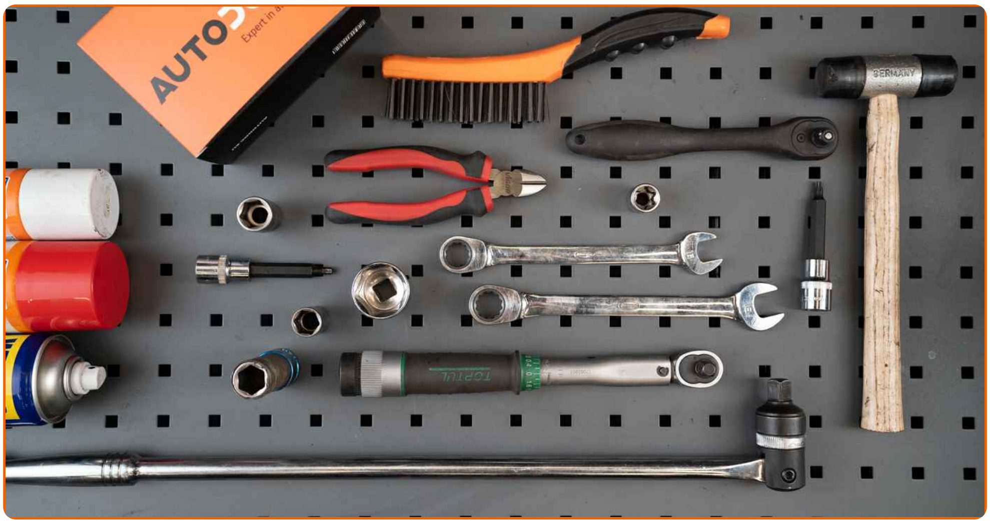


Important!

This replacement procedure can be used for:
OPEL Meriva A (X03) 1.4 16V Twinport LPG (E75), OPEL Corsa C Hatchback (X01) 1.0 (F08, F68), OPEL Corsa C Hatchback (X01) 1.8 (F08, F68), OPEL Corsa C Hatchback (X01) 1.7 DTI (F08, F68), OPEL Corsa C Hatchback (X01) 1.7 DI (F08, F68), OPEL Corsa C Hatchback (X01) 1.4 (F08, F68), OPEL COMBO Box Body / Estate 1.7 DI 16V, OPEL Corsa C Van (X01) 1.2 16V (F08, W5L), OPEL Corsa C Van (X01) 1.7 DI 16V (F08, W5L), OPEL Corsa C Van (X01) 1.7 DTI 16V (F08, W5L), OPEL COMBO Box Body / Estate 1.6, OPEL COMBO Box Body / Estate 1.7 DTI 16V, OPEL Meriva A (X03) 1.8 (E75), OPEL Meriva A (X03) 1.7 DTI (E75), OPEL Meriva A (X03) 1.6 (E75), (+ 21)

The steps may slightly vary depending on the car design.

REPLACEMENT: WHEEL BEARING – OPEL CORSA C. TOOLS YOU MIGHT NEED:



- Wire brush
- WD-40 spray
- Brake cleaner
- Copper grease
- Combination spanner #16
- Combination spanner #18
- Drive socket # 16
- Drive socket # 18
- Drive socket # E18
- Drive socket # 30
- Torx bit T30
- HEX №H5 wrench
- Wheel impact socket #17
- Ratchet wrench
- Torque wrench
- Tap wrench
- Hammer
- Nippers
- Bush and bearing driver set
- Circlip pliers
- Ball joint puller
- Wheel chock

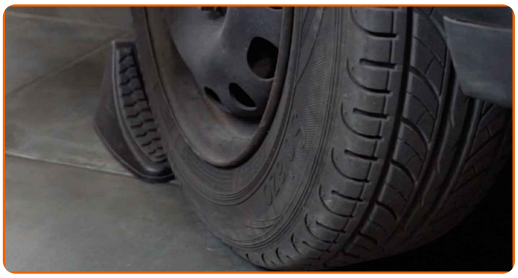
BUY TOOLS

AUTODOC recommends:

- Do not re-use the bearing assembly of your Opel Corsa C car.
- The wheel hub bearing replacement procedure is identical for both wheels on the same axle.
- Please note: all work on the car – Opel Corsa C – should be done with the engine switched off.

CARRY OUT REPLACEMENT IN THE FOLLOWING ORDER:

1. Secure the wheels with chocks.



2. Loosen the wheel mounting bolts. Use wheel impact socket #17.

3. Raise the front of the car and secure on supports.



4

Unscrew the wheel bolts.



AUTODOC recommends:

- Warning! To avoid injury, hold the wheel while unscrewing the fastening bolts. Opel Corsa C

5

Remove the wheel.



6

Clean the brake caliper bracket fasteners. Use a wire brush. Use WD-40 spray.

7

Unscrew the caliper bracket fastening. Use a drive socket #E18. Use a ratchet wrench. Use a tap wrench.



8 Remove the brake caliper together with its bracket.



Replacement: wheel bearing – Opel Corsa C. Tip:

- Tie the caliper to the suspension or to the body with a wire without disconnecting from the brake hose to prevent depressurization of the brake system.
- Make sure that the brake caliper is not hanging on the brake hose.
- Don't press the brake pedal after the brake caliper has been removed. As a result, the piston can fall out from the brake cylinder, and brake fluid leakage and depressurization of the system may occur.
- Check the brake caliper bracket, brake caliper guide pins and boots. Clean them. Replace, if necessary.

9 Clean the brake disc fasteners. Use a wire brush. Use WD-40 spray.



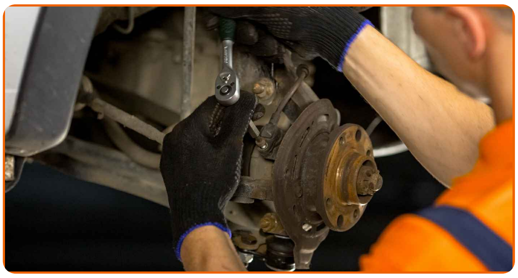
10 Unscrew the brake disc fastening. Use Torx T30. Use a ratchet wrench.



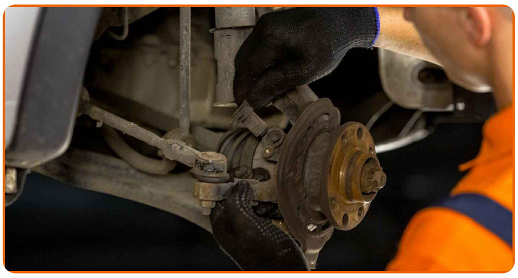
11 Remove the brake disc.



12 Unscrew the ABS sensor fastening from the steering knuckle. Use HEX No.H5. Use a ratchet wrench.



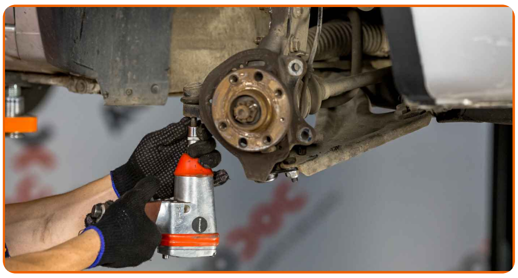
13 Remove the ABS sensor from the steering knuckle.



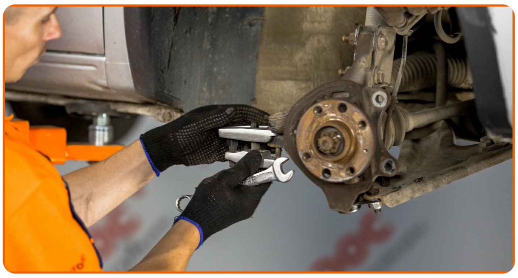
14 Clean the fastener connecting the tie rod end to the steering knuckle. Use a wire brush. Use WD-40 spray.



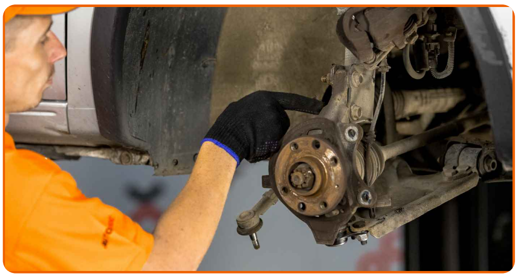
15 Unscrew the end fastening nut to the steering knuckle. Use a drive socket #16. Use a ratchet wrench.



16 Disconnect the tie rod end from the steering knuckle. Use a ball joint puller.



17 Clean the shock strut fasteners. Use a wire brush. Use WD-40 spray.



18

Unscrew the lower fastener of the shock absorber strut. Use a combination spanner #18. Use a drive socket #18. Use a ratchet wrench.

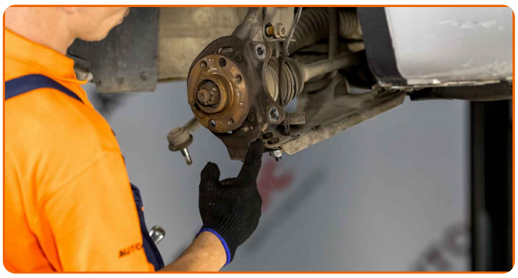


19

Remove the fastening bolt.

20

Clean the fastener connecting the ball joint to the steering knuckle. Use a wire brush. Use WD-40 spray.



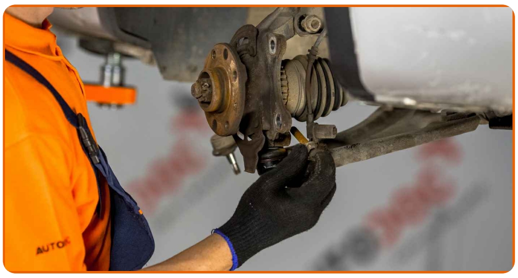
21

Unscrew the ball joint fastening to the steering knuckle. Use a combination spanner #16. Use a drive socket #16. Use a ratchet wrench.

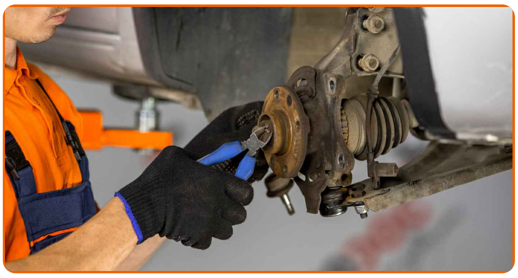


22

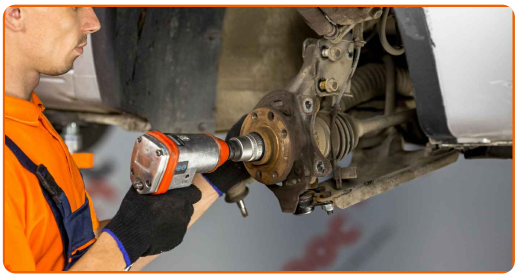
Remove the fastening bolt. Use a hammer.



23 Remove the cotter pin securing the hub nut. Use nippers.



24 Unscrew the wheel hub fastening nut. Use a drive socket #30. Use a tap wrench.



25 Remove the fastening bolt.



26 Disconnect the ball joint from the steering knuckle. Use a hammer.



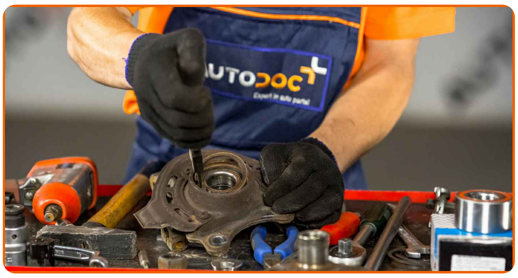
27 Remove the steering knuckle together with the hub.



28 Press the wheel hub out from the tapered roller bearing. Use a bush and bearing driver set. Use a hammer.



29 Remove the retaining ring from the steering knuckle. Use circlip pliers.



30 Press out the wheel hub bearing. Use a bush and bearing driver set.



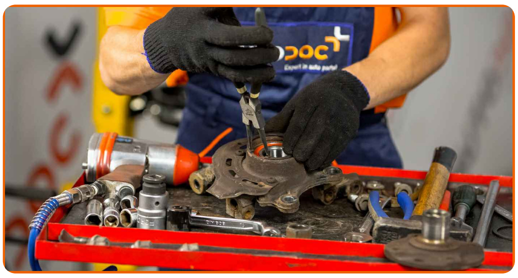
Replacement: wheel bearing – Opel Corsa C. AUTODOC experts recommend:

- Apply special grease to the bearing assembly mounting seat.

31 Press the new bearing in the steering knuckle. Use a bush and bearing driver set.



32 Install the retaining ring. Use circlip pliers.



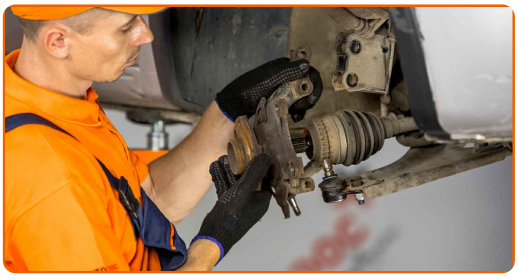
33 Press the wheel hub into the bearing inner race. Use a bush and bearing driver set.



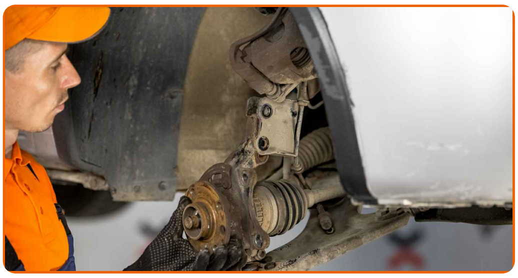
Replacement: wheel bearing – Opel Corsa C. Tip from AUTODOC experts:

- Check to make sure the wheel hub bearing is positioned correctly. Avoid its misalignment.
- Stop pressing on the surface of the bearing immediately after it has been fitted into its mounting seat.

34 Install the steering knuckle with a hub in assembly.

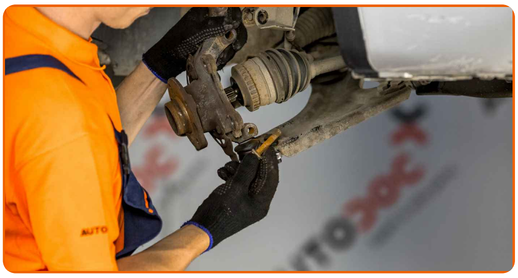


35 Connect the ball joint to the steering knuckle.

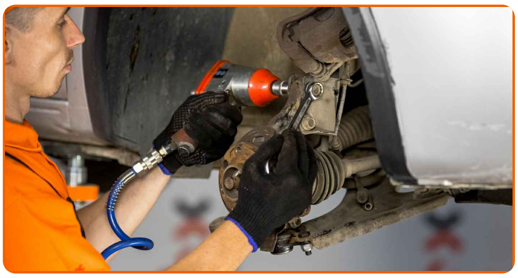


36 Install the fastening bolt.

37 Install the fastening bolts.



38 Tighten the lower fastening of the shock absorber. Use a combination spanner #18. Use a drive socket #18. Use a torque wrench. Tighten it to 80 Nm torque.+75°

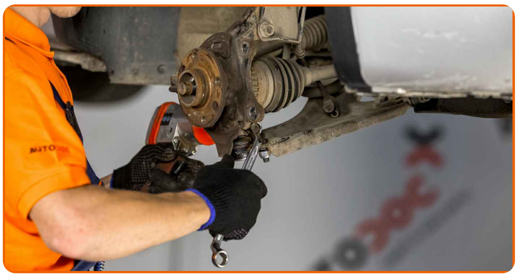


AUTODOC recommends:

- Important! Be sure to use new fasteners.

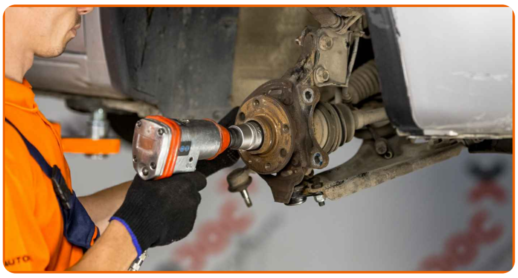
39

Tighten the ball joint fastener. Use a combination spanner #16. Use a drive socket #16. Use a torque wrench. Tighten it to 55 Nm torque.



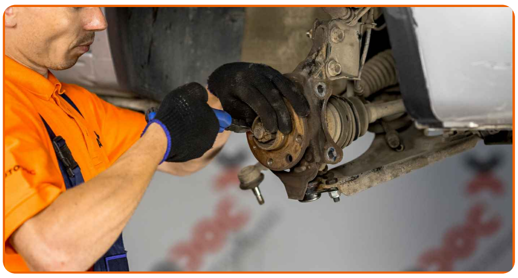
40

Screw the hub nut. Use a drive socket #30. Use a torque wrench. Observe the recommended tightening torque.



41

Install a new cotter pin of the wheel hub lock nut. Use nippers. Use a hammer.



42

Install the ABS sensor on the steering knuckle and secure it.



43

Screw in the fastener that connects the ABS sensor to the rear knuckle. Use HEX No.H5. Use a ratchet wrench.



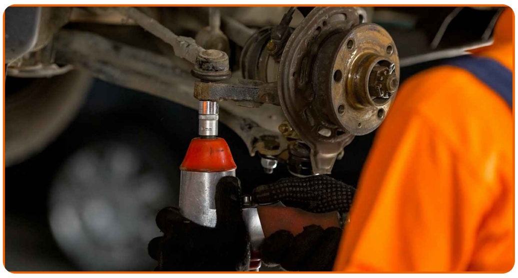
44

Connect the tie rod end to the steering knuckle.



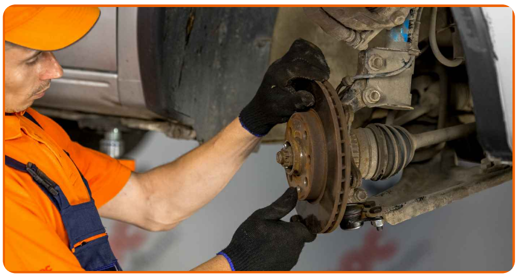
45

Tighten the fastening nut connecting the tie rod end to the steering knuckle. Use a drive socket #16. Use a torque wrench. Tighten it to 35 nm torque.

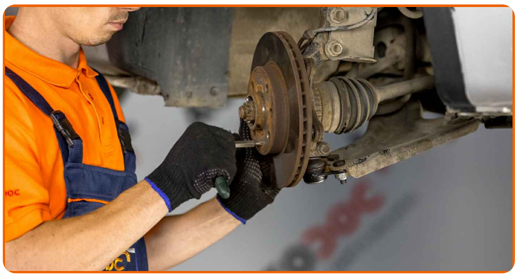


46

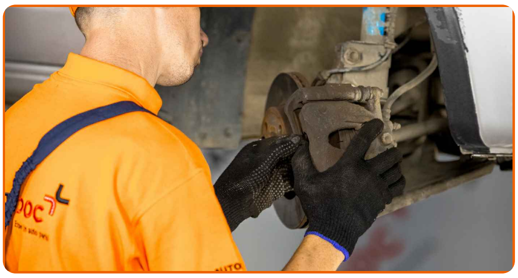
Install the brake disc.



47 Tighten the brake disc fastening. Use Torx T30. Use a torque wrench. Tighten it to 7 nm torque.



48 Install the brake caliper together with its bracket.



49 Tighten the brake caliper bracket. Use a drive socket #E18. Use a torque wrench. Tighten it to 100 nm torque.



50 Treat the surface where the brake disc contacts the wheel rim. Use copper grease.



51 Clean the brake disk surface. Use a brake cleaner.

AUTODOC recommends:

- Replacement: wheel bearing – Opel Corsa C. After applying the spray, wait a few minutes.

52 Install the wheel.



AUTODOC recommends:

- Warning! To avoid injury, hold the wheel while screwing in the fastening bolts on the car. Opel Corsa C

53 Screw in the wheel bolts. Use wheel impact socket #17.

54 Lower the car and working in a cross order, tighten the wheel bolts. Use a torque wrench. Tighten it to 110 Nm torque.



55 Remove the jacks and chocks.

WELL DONE!

VIEW MORE TUTORIALS

AUTODOC — TOP QUALITY AND AFFORDABLE CAR PARTS ONLINE

DISCLAIMER:

The document contains only general recommendations that may be useful for you when you perform repair or replacement work. AUTODOC shall not be liable for any loss, injury, damage of property occurring in the repair or replacement process due to incorrect use or misinterpretation of the provided information.

AUTODOC shall not be liable for any possible mistakes and uncertainties in this guide. The information provided is for information purposes only and cannot replace advice from specialists.

AUTODOC shall not be liable for incorrect or hazardous usage of equipment, tools and car parts. AUTODOC strongly recommends to be careful and observe the safety rules when performing repair or replacement works. Remember: usage of low quality auto parts does not guarantee you the appropriate level of road safety.